
Subject: Re: Alternate idea for 7Pi midhorn enclosure?

Posted by [JCDC](#) on Fri, 01 Feb 2013 14:01:12 GMT

[View Forum Message](#) <> [Reply to Message](#)

Wayne Parham wrote on Thu, 31 January 2013 14:34

... The size where the chamber is large enough to be effectively "infinite" is 0.35ft³. That's not a very large chamber, but again, this is a horn and the volumes are different for horns than they are for direct radiators.

For some reason I thought I recall you saying that the rear chamber is sized to be "small" and provide a bit of a freq boost near 200Hz. ??? Is this correct, or am I doing the very thing you mentioned--applying box theory to horns.

Wayne Parham wrote on Thu, 31 January 2013 14:34

...

The horn is essentially designed to have an open rear chamber, but we don't want the rear wave bouncing around, so we need it contained and damped.

So would leaving the driver open backed and then covering it with a few layers of insulation be good? Or is the driver still producing lower freq (<200Hz) so the insulation is less effective ...

Hmm, the 8 Pi always seemed elegant to me (1 driver from 20-2000 and with two technologies); now it's even more intriguing!

Cheers,
Jeff
